

<110> Tang, Y. Tom
Corley, Neil C.
Guegler, Karl J.
Arvizu, Chandra
Baughn, Mariah R.

<120> THIOREDOXIN PROTEINS

<130> PF-0556-1 DIV

<140> To Be Assigned

<141> Herewith

<150> 09/107.248

<151> 1998-06-30

<160> 15

<170> PERL Program

<210> 1

<211> 172

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1925679

<400> 1

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Ser	Phe	Leu	Leu	Leu	Val	Ile	Ser	Ser	Asp	Gly	His	Asn	Gly	Leu
				20					25					30
Gly	Lys	Gly	Phe	Gly	Asp	His	Ile	His	Trp	Arg	Thr	Leu	Glu	Asp
				35					40					45
Gly	Lys	Lys	Glu	Ala	Ala	Ala	Ser	Gly	Leu	Pro	Leu	Met	Val	Ile
				50					55					60
Ile	His	Lys	Ser	Trp	Cys	Gly	Ala	Cys	Lys	Ala	Leu	Lys	Pro	Lys
				65					70					75
Phe	Ala	Glu	Ser	Thr	Glu	Ile	Ser	Glu	Leu	Ser	His	Asn	Phe	Val
				80					85					90
Met	Val	Asn	Leu	Glu	Asp	Glu	Glu	Glu	Pro	Lys	Asp	Glu	Asp	Phe
				95					100					105
Ser	Pro	Asp	Gly	Gly	Tyr	Ile	Pro	Arg	Ile	Leu	Phe	Leu	Asp	Pro
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Ser	Gly	Lys	Val	His	Pro	Glu	Ile	Ile	Asn	Glu	Asn	Gly	Asn	Pro
				125					130					135
Ser	Tyr	Lys	Tyr	Phe	Tyr	Val	Ser	Ala	Glu	Gln	Val	Val	Gln	Gly
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Met	Lys	Glu	Ala	Gln	Glu	Arg	Leu	Thr	Gly	Asp	Ala	Phe	Arg	Lys
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Lys	His	Leu	Glu	Asp	Glu	Leu								
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<210> 2

<211> 258

<212> PRT

<213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3244141

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 35 40 45
 Cys His Gly Leu Pro Thr Gln Arg Glu Asp Gly Asn Pro Cys Asp
 50 55 60
 Phe Asp Trp Arg Glu Val Glu Ile Leu Met Phe Leu Ser Ala Ile
 65 70 75
 Val Met Met Lys Asn Arg Arg Ser Met Phe Leu Met Thr Cys Lys
 80 85 90
 Pro Pro Leu Tyr Met Gly Pro Glu Tyr Ile Lys Tyr Phe Asn Asp
 95 100 105
 Lys Thr Ile Asp Glu Glu Leu Glu Arg Asp Lys Arg Val Thr Trp
 110 115 120
 Ile Val Glu Phe Phe Ala Asn Trp Ser Asn Asp Cys Gln Ser Phe
 125 130 135
 Ala Pro Ile Tyr Ala Asp Leu Ser Leu Lys Tyr Asn Cys Thr Gly
 140 145 150
 Leu Asn Phe Gly Lys Val Asp Val Gly Arg Tyr Thr Asp Val Ser
 155 160 165
 Thr Arg Tyr Lys Val Ser Thr Ser Pro Leu Thr Lys Gln Leu Pro
 170 175 180
 Thr Leu Ile Leu Phe Gln Gly Gly Lys Glu Ala Met Arg Arg Pro
 185 190 195
 Gln Ile Asp Lys Lys Gly Arg Ala Val Ser Trp Thr Phe Ser Glu
 200 205 210
 Glu Asn Val Ile Arg Glu Phe Asn Leu Asn Glu Leu Tyr Gln Arg
 215 220 225
 Ala Lys Lys Leu Ser Lys Ala Gly Asp Asn Ile Pro Glu Glu Gln
 230 235 240
 Pro Val Ala Ser Thr Pro Thr Thr Val Ser Asp Gly Glu Asn Lys
 245 250 255
 Lys Asp Lys

<210> 3
 <211> 1440
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1925679

<400> 3
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 cggcctcgtc tcggggccac ctgtttgctg ggcttcagtt tccctgctct cgtcactctc 180
 tctgatggac ataattgggt tggaagggtt ttggagatc atattcattg gaggacactg 240
 gaagatggga agaaagaagc agctgccagt ggactgcccc tgatggtgat tattcataaa 300
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gaactctccc ataattttgt tatggtaaat ctgaggatg aagaggaacc caaagatgaa 420
gatttcagcc ctgacggggg ttatattcca cgaatccctt ttctggatcc cagtgccaag 480
gtgcatcctg aaatcatcaa tgagaatgga aaccccagct acaaagtatt tbatgtcagt 540
gcgcagcaag ttgttcaggg gatgaaggaa gctcaggaaa ggctgacggg tgatgccttc 600
agaaaagaa atcttgaaga tgaattgtaa catgaattgt cccctctctt catcagagtt 660
agtgcttcgg aaggaaaagca gcagggaagg gaataattgag gaatcatcta gaacaattaa 720
gcgcagcaag aaacctcatt cctacctaca ctggaaggag cgctctcact gtggaagagt 780
ctgtctaaca gaagtgggtc tgcattgttg tggatccagg ggagagtggc agactttctt 840
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gacacaaaac ttgagccact tggatgttta ctctcgcac ttaagtattt gagtcttttc 960
ccattttctc ccactttact caccttagtg gtgaaggag actagtatga tctttctac 1020
aacgttaaaa ttgcagaagt agcttatcat taaaaacaa caacaacaac aataacaata 1080
aatcctaagt gtaaaatcagt tattctaccc cctaccaagg atatcagcct gtttttcccc 1140
ttttttctcc tgggaataat tgtgggcttc ttcccaaat tctacagcct ctttctctct 1200
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gcctcaggtg tagccatttt gtcaagtcac caactgtatt ttgtactggt cattacaaca 1380
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<210> 4

<211> 1555

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3244141

<400> 4

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gcgccaaact tactaccttc tgcctggcct gctctcgtct gccctctcac tcgtgagaaa 180
agtcgccgcg ctctgccacg gtctgccacc ccaacgcgaa gacggtaacc cgtgtgactt 240
tgactggaga gaagtggaga tctctgatgt tctcagtgcc attgtgatga tgaagaaccg 300
cagatccatg ttctctgatga cgtgcaaaac ccccttatat atggggccct agtatatcaa 360
gtacttcaat gataaaacca ttgatgagga actagAACGG gacaagaggg tcacttggat 420
tgtggagtct ttgtccaaatt ggtctaataga ctgccaatca ttgccccta tctatgctga 480
cctctccctt aaatacaact gtacagggct aaattttggg aaggtggatg ttggacgcta 540
tactgatgtt agtacgcggt acaaagttag cacatcaccc ctacccaagg ctacctctac 600
cctgatctct ttccaagggt gcaaggaggc aatgcggcgg ccacagattg acaagaagg 660
acgggctgtc tcatggacct tctctgagga gaattgtgat cgagaattta acttaaatga 720
gctataccag cgggcacaaga aactatcaaa ggctggagac aatctccctg agggagcagg 780
tgtggtctca acccccacca cagtgtcaga tggggaaaac aagaaggata aataagatcc 840
tcaacttggc agtgcctcct ctctgttcaa ttccaggctc ttccataac cacaagcctg 900
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aagacaatat tgaacaacccc cctattttgt ggggatttag aaggggtgaa tagaggtgt 1440
agactttctt ttgtgtggta ggacttggag gagaatcccc ctggactctc actaaccttc 1500
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<210> 5

<211> 212

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1925679H1

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 tgggtgggag cttgcaaaagc tctaaagccc aaatttgcag aatctacgga aatttcagaa 120
 ctctcccata attttgttat ggtaaatctt gaggatgaag aggaacccaa agatgaagat 180
 ttacgcccgt acgggggtta tattccacga at 212

<210> 6
 <211> 248
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2456812H1

<400> 6
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 gcggcctcgt ctgccccca cctgtttgct gggcttcagt ttctgtctcc tgcctatctc 180
 ttctgatgga cataatgggc ttgaaaaggg ttttggagat catattcatt ggaggacact 240
 ggaagatg 248

<210> 7
 <211> 541
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1925679R6

<220>
 <221> unsure
 <222> 502, 514
 <223> a, t, c, g, or other

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 tgggtgggag cttgcaaaagc tctaaagccc aaatttgcag aatctacgga aatttcagaa 120
 ctctcccata attttgttat ggtaaatctt gaggatgaag aggaacccaa agatgaagat 180
 ttacgcccgt acgggggtta tattccacga atccttttcc tggatcccag tggcaagggtg 240
 catcctgaaa tcatcaatga gaatggaaac ccagcttaca agtattttta tgcctgtgcc 300
 gagcaagttg ttacagggat gaaggaaagct caggaaaggc tgacgggtga tgccttcaga 360
 aagaaacatc ttgaagatga attgtaacat gaatgtgcc ctcttttcat cagagttagt 420
 gttctgtgaag gaaagcagca gggaaggga tattgaggaa tctatcagaa caattaagcc 480
 gaccaggaaa cctcattcct anctacactg gaangagcgc tctcactgtg gaagagtctt 540
 g 541

<210> 8
 <211> 578
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1522838F1

<220>

<221> unsure

<222> 530, 556, 573

<223> a, t, c, g, or other

<400> 8

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ccagtgccaa ggtgcattct gaaatcatca atgagaatgg aaacccagc tacaagtatt 180
tttatgtcag tgccgagcaa gttgttcagg ggatgaagga agctcaggaa aggcctgacgg 240
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tcacagagt tagtgttctg gaaggaaagc agcagggaag ggaatattga ggaatcatct 360
agaacaatta agccgaccca ggaaacctcc attcctacct acactggaag gagcgctctc 420
actgtggaag agttctgcta acagaagctg gtctgcatgt ttgtggatcc agcggagagt 480
ggcagacttt cttctccttt tctctcact aaatgtcaac ttgtcattgn atgtaaagat 540
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<210> 9

<211> 635

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1332915T1

<220>

<221> unsure

<222> 342-370, 570, 572

<223> a, t, c, g, or other

<400> 9

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ccaacagtaa caagggaag catgcttcca cctggagccg agtccaagca cacagccagt 180
cctgcacacg catgcgtgca aacaggggaag ctcaagcatg agaagaggaa agaggctgta 240
gaaatttggg aagaagccca caattattcc caggagaaaa aagggaaaaa acaggetgat 300
atccttggtg gggggtagaa taactgattt acacttagga tnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn taatgataag ctactttctgca aatttttaacg ttgtagaaaa gatgctacta 420
gtctctcttc accactaagg ttagttaaagt gggaggaaat gggaaaaagac tcaataactt 480
aagtcgcagg agtaaacatc caagttggctc aagttttgtg tcagaaggtt tcattcttta 540
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<210> 10

<211> 127

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1458332H1

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 tgtactggca ttaacaaaaa aagagataaa atattgtacc attaaacttt aataaaaactt 120
 taaaagg 127

<210> 11
 <211> 224
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3244141H1

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 actgcgcgcg ctctgccacg gtctgcccac ccaacgcgaa gacgagagaa gtggagatcc 180
 tgatgtttct cagtgccatt gtgatgatga agaaccgcag atcc 224

<210> 12
 <211> 435
 <212> DNA
 <213> Homo sapiens

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 <221> unsure
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 <223> a, t, c, g, or other

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 ccaacacctta ctacctcttg tcggccctgc tctctgctgc ctctctactc gtgaggaaac 180
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 gatccatggt cctgatgacg tgcaaacccc ccctatatat gggccctgag tatatcaagt 360
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 <223> Incyte ID No: 1709993X25C1

<220>
 <221> unsure
 <222> 436, 493, 507, 558, 627-628, 630
 <223> a, t, c, g, or other

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 agtacgcgggt acaaaagtga cacatcaccc tcaccaagca actccctacc ctgatctgtt 180
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<210> 14
 <211> 660
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 <213> Homo sapiens

<220>
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<220>
 <221> unsure
 <222> 98, 217, 348, 378, 458, 480, 488, 491, 516, 521, 531, 545, 548, 553-554,
 559, 583, 589, 595, 620, 632-634, 637, 642, 651
 <223> a, t, c, g, or other

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 gacctctctt gaggagaatg tgatccgaga atttaactta attagctat accagcgggc 180
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 ctctctctcc tgtcaattcc tggctctttt cataaccaca agcctgangt gcagctttta 360
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 taaaaagagg cattctaggg gaatttgttc aaggcaancc ctaacaggga aagggcctgn 480
 ccaattgnct ntggcccaaa actggttttc caactnngga ngccaaaagaa naaggggggtt 540
 cttcnatnag gmnccggna agggggggga aaattgggtt ttnccctncc caaangcttt 600
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<210> 15
 <211> 596
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1437141T6

<220>
 <221> unsure
 <222> 14, 17, 19, 79, 477, 486, 508, 529, 544, 547, 551, 559, 572, 585, 588,
 591, 595
 <223> a, t, c, g, or other

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tgtcttcaat gataaaaact ttgtgggttaa aggtttctcc ttaggactag cgacaagtt 240
aggcttatac ttttaaatga gaccataaac gaagccagaa gggcttaagg aagcaagagt 300
ccttggggga aaattcttag cgttctatac ccagcatct taccttaggg ttaaatctag 360
gtetaacca gctgtgcagg tcaactaaga aggaatgatg aaaccacaga gtttcatgga 420
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